CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.06/KRIDL/SDBC/Bitumen/2013-14 15.05.2014

BITUMEN CONTENT AND GRADATION DETERMINATION OF SEMI DENSE BITUMINOUS CONCRETE MIX

AASHTO T 164 & AASHTO T 30

CLIENT	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
AGENCY	**Technical Manager - 1,** KRIDL, Bangalore.
NAME OF THE WORK	Improvements and Asphalting to roads and drains at Rachenahalli Main Road near Thanisandra Govt. School in Ward No.06, Thanisandra Village Limints, BBMP, Bangalore.
REFERENCE	AEE/BTP/(WO)/08/2014-15 Dated: 03.05.2014
SAMPLE I/D	Roads and drains at Rachenahalli Main Road near Thanisandra Govt. School in W.No.06
DATE OF TESTING	15.05.2014

BITUMEN CONTENT DETERMINATION

Description	Trail 1	Trail 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	476	476.5
3. Weight of Asphalt and Mineral matter Extracted,	-	-
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g		
6. Weight of Bitumen Extracted, g. (corrected)	24	23.50
7. Bitumen content in %	4.80	4.70
8. Average	**4.75**	

GRADATION AFTER EXTRACTION

SIEVE SIZE	Trail 1				JOBMIX
mm	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	Gradation
13.2	0	0	0	100	100
9.5	39.23	8.24	8.24	91.76	90-100
4.75	265.4	55.76	64.00	36.00	35-51
2.36	54.82	11.52	75.51	24.49	24-39
1.18	42.15	8.86	84.37	15.63	15-30
0.3	29.54	6.21	90.58	9.42	9-19
0.075	27.85	5.85	96.43	3.57	3-8

SIEVE SIZE	Trail 2				JOBMIX
mm	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	Gradation
13.2	0	0	0	100	100
9.5	41.52	8.30	8.30	91.70	90-100
4.75	283.6	56.72	65.02	34.98	35-51
2.36	53.47	10.69	75.72	24.28	24-39
1.18	45.84	9.17	84.89	15.11	15-30
0.3	28.97	5.79	90.68	9.32	9-19
0.075	27.16	5.43	96.11	3.89	3-8

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples received in the laboratory
- Any Query regarding the report must be reported within 15 days from the date of issue

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